

CLAIMS

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1. ~~A handheld electronic device which is adapted to~~
5 ~~carry out at least one operation, characterized~~
~~ed by~~

a registration device (14) for registering strokes
when the device is moved;

10 interpretation means (16) for determining if the
strokes comprises a command;

processor means (16) for carrying out an operation
upon ~~determination of said command.~~

2. A device according to claim 1, wherein said
15 registration device is adapted to record the command
electronically by detecting a position code (4) arranged
on a writing surface (3), upon which the command is
written.

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3. ~~A device according to claim 2, wherein said~~
20 ~~registration device comprises an optical sensor (14),~~
~~which is adapted to record images of the writing surface~~
~~(3), and a signal processor (16), which is adapted to use~~
~~the position code (4) in the images for providing a~~
~~digital representation of the command.~~

4. A device according to claim 3, wherein the signal
25 processor (16) comprises a character interpretation func-
tion which is adapted to translate the digital represen-
tation of the command into character-coded format, such
as ASCII-code.

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5. A device according to claim 1, wherein, further-
30 more, the registration device is adapted to record a
message information quantity, which is used in the
operation, in essentially the same way as the command is
recorded.

6. A device according to claim 5, wherein the
35 registration device is adapted to record the information
quantity by detecting a position code on a writing
surface.

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7. A device according to claim 5 or 6, wherein the device has at least two modes, one being a command mode for recording the command and the other being an information mode for recording the message information quantity.

5 8. A device according to claim 7, wherein the device is adapted to assume the command mode when the user writes said predetermined command using the device.

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10 9. A device according to claim 7, wherein the device is adapted to assume the command mode when the device detects that the writing surface (3) has a predetermined design.

10. A device according to claim 1, wherein the device comprises an accelerometer for electronic recording of the command.

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15 11. A device according to claim 1, wherein the recording device comprises an optical sensor for recording images with partially overlapping content and a signal processor which is adapted to determine how the device has been moved in connection with the writing of the command by determining the relative position of the images.

12. A device according to any one of the preceding claims, which device is a mobile telephone.

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20 13. A device according to any one of claims 1-11, which device is a digital pen for electronic recording of information.

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25 14. A device according to any one of the preceding claims, wherein only a detachable part of the device is used as a pen for writing the command for carrying out the operation, the detachable part being adapted for communication with the rest of the device.

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30 15. A device according to any one of the preceding claims, wherein the device has a first and a second part which are separable and which have transceivers for mutual wireless communication, and wherein the device is controllable by the user using the first part as said

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pen, by means of which the command for initiating the operation is written.

16. ~~A software program, which is stored on a memory~~
medium, which can be read by a computer and which com-
prises instructions for causing the computer to detect a
command written by means of a handheld electronic device,
which is used as a pen, and to initiate a predetermined
operation in response to the command.

17. A method for initiating an operation in a hand-
10 held electronic device, characterized by the
steps of using the device itself as a pen and writing a
command symbol for carrying out said operation.

18. A method for controlling a handheld electronic device, according to any one of claims 1 - 15, the device being adapted to carry out at least one operation, characterized by

registering strokes when the device is moved;
determining if the strokes comprises a command;
carrying out an operation upon determination of said
20 ~~command~~ /

19. A method according to claim 18, characterized by recording the command electronically by detecting a position code (4) arranged on a writing surface (3), upon which the command is written.

25 ~~20. A method according to claim 19, characterized by~~
registration by means of an optical sensor (14),
which records images of the writing surface (3), and a
signal processor (16), which uses the position code (4)
in the images for providing a digital representation of
30 the command.

21. A method according to claim 20, characterized by character interpretation for translating the digital representation of the command into character-coded format, such as ASCII-code.

35 22. A method according to claim 18, characterized by
registrating a message information quantity in
~~essentially the same way as the command is recorded.~~

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23. A method according to claim 22, characterized by registering the message/information quantity by detecting a position code on a writing surface.

24. A method according to claim 23, wherein the device is adapted to assume the command mode when the user writes said predetermined command using the device.

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